Amendments to the Claims:

- 1. (Original) A method of forming a canola oil seed meal, which comprises: heat treating the canola oil seeds to deactivate enzymes therein, dehulling the canola oil seeds, and removing canola oil from the heat treated and dehulled oil seeds to provide said canola oil seed meal.
- 2. (Original) The method of claim 1 wherein said heat treated are dehulled oil seeds are flaked prior to said oil removal step.
- 3. (Original) The method of claim 1, which is effected by: heat treating the canola oil seeds to inactivate enzymes therein, cooling the heat treated canola oil seeds, cracking the hulls of the heat treated canola oil seeds, removing cracked hulls from canola seeds, and removing canola oil from the canola meats by solvent extraction to leave a meal.
- 4. (Currently amended) The method of claim 3 wherein an overs <u>fraction</u> and an unders <u>fraction</u> are separated from the cracked hulls, the overs fraction is recycled to the cracking and separation steps, the <u>under unders</u> fraction is subjected to air aspiration for further removal of hulls and the recycled overs fraction and/or air aspirated unders fraction are flaked prior to said solvent extraction step.
- 5. (Original) The method of claim 1, which is effected by: cracking the hulls of canola oil seeds, removing cracked hulls from canola meats, heat treating the canola meats to inactivate enzymes therein, and removing canola oil from the canola meats by solvent extraction to leave a meal.
- 6. (Currently amended) The method of claim 5 wherein an overs <u>fraction</u> and <u>unders fractions</u> and <u>an unders fraction</u> are separated from the cracked hulls, the overs fraction is recycled to the cracking and separation steps, the overs fraction,

following such recycling, is subjected to the heat treating step and subsequently cooled, the unders fraction is subjected to the heat treating step and subsequently cooled, the heat treated over fraction and the heat treated unders fraction are flaked is flaked prior to said solvent extraction of the flaked unders overs fraction, [[and]] the flaked overs fraction is air aspirated, the air aspirated prior to said solvent extraction of the flaked overs fraction, the unders fraction is subjected to the heat treatment step and is flaked prior to said solvent extraction of the unders fraction.

- 7. (Currently amended) The process method of claim 1 wherein the canola oil seed meal is processed to recover therefrom a canola protein isolate having a protein content of at least about 90 wt% (N x 6.25).
- 8. (Currently amended) The process method of claim 1 wherein the canola oil seed meal is processed to recover therefrom a canola protein isolate having a protein content of at least about 100 wt% (N x 6.25).
- 9. (Currently amended) The process method of claim 1 wherein said inactivation is effected by heating using steam.
- 10. (Currently amended) The process method of claim 1 wherein said inactivation is effected by heating using radio frequency radiation.
- 11. (New) The method of claim 7 wherein said canola oil seed meal is processed by the steps:
- (i) extracting the canola oil seed meal with an aqueous salt solution to cause solubilization of canola protein in said the canola protein seed meal to form an aqueous canola protein solution having a pH of about 5 to about 8,
- (ii) separating the aqueous protein solution from residual canola oil seed meal,
- (iii) increasing the protein concentration of said aqueous protein solution while maintaining the ionic strength substantially constant by using a selective membrane technique to provide a concentrated protein solution, preferably by ultrafiltration to produce a concentrated protein solution having a protein concentration of at least about 200 g/L, preferably at least about 250 g/L,

- (iv) diluting the concentrated canola protein isolate into chilled water having a temperature of below about 15°C to cause the formation of discrete protein particles in the aqueous phase in the form of micelles,
- (v) settling the protein micelles to form an amorphous, sticky, gelatinous, gluten-like protein micellar mass, and
- (vi) recovering the protein micellar mass from supernatant, the protein micellar mass having a protein content of at least about 90 wt%, preferably at least about 100 wt%, as determined by Kjeldahl nitrogen x6.25 on a dry weight basis.
- 12. (New) The method of claim 11 wherein said steps (i) to (vi) are effected on a batch basis and said extracting of said oil seed meal is effected using an aqueous salt solution having an ionic strength of at least about 0.10, preferably about 0.15 to about 0.6, and a pH of about 5 to about 6.8, preferably about 5.3 to about 6.2, and said aqueous protein solution has a protein content of about 5 to about 40 g/L, preferably about 10 to about 30 g/L.
- 13. (New) The method of claim 12 wherein said extracting of said oil seed meal is effected with agitation of said aqueous salt solution for about 10 to about 60 minutes, while the concentration of oil seed meal in said aqueous salt solution during said extracting step is about 5 to about 15% w/w.
- 14. (New) The method of claim 11 wherein said steps (i) to (vi) are effected on a continuous basis and said extraction step is effected by:
- (i) continuously mixing an oil seed meal with an aqueous salt solution having an ionic strength of at least about 0.10, preferably about 0.15 to about 0.6, and a pH of about 5 to about 6.8, preferably about 5.3 to about 6.2, at a temperature of about 5° to about 65°C, preferably at least about 35°C, and
- (ii) continuously conveying said mixture through a pipe while extracting protein from the oil seed meal to form an aqueous protein solution having a protein content of about 5 to about 40 g/L, preferably about 10 to about 30 g/L, in a period of time up to about 10 minutes.

- 15. (New) The method of claim 14 wherein the concentration of oil seed meal in said aqueous salt solution in said mixing step is about 5 to about 15% w/v.
- 16. (New) The method of claim 11 wherein said extracting of said oil seed meal is effected using an aqueous salt solution having an ionic strength of at least about 0.10, preferably about 0.15 to about 0.6, and a pH of about 3 to about 5 or about 6.8 to about 9.9 and, following said separation of the aqueous protein solution from residual oil seed meal, the pH of the aqueous protein solution is adjusted to a pH of about 5 to about 6.8, preferably about 5.3 to about 6.2.
- 17. (New) The method of claim 11 wherein following said separating of the aqueous protein solution from the residual canola seed meal, the aqueous protein solution is subjected to a pigment removal step, wherein said pigment removal step preferably is effected by:
 - (a) diafiltration of the aqueous protein solution,
- (b) by mixing a pigment adsorbing agent with the aqueous protein solution and subsequently removing the pigment adsorbing agent from the aqueous protein solution.
- 18. (New) The method of claim 11 wherein said oil seed meal is extracted with water and subsequent thereto salt is added to the resulting aqueous protein solution to provide an aqueous protein solution having an ionic strength of at least about 0.10.
- 19. (New) The method of claim 11 wherein said concentrated protein solution is warmed to a temperature of at least about 20°C, preferably about 25°C to about 40°C, to decrease the viscosity of the concentrated protein solution but not beyond a temperature above which the temperature of the concentrated protein solution does not permit micelle formation.
- 20. (New) The method of claim 11 wherein said concentrated protein solution is subjected to diafiltration using an aqueous salt solution of the same molarity and pH as the extracting solution, preferably using from about 2 to about 20 volumes,

preferably about 5 to about 10 volumes of diafiltration solution, preferably until no further quantities of phenolics and visible colour are present in the permeate.

- 21. (New) The method of claim 20 wherein an anti-oxidant, preferably sodium sulfite or ascorbic acid, is present in the diafiltration medium, preferably in an amount of about 0.01 to about 1 wt%, during at least part of the diafiltration step.
- 22. (New) The method of claim 11 wherein the concentrated protein solution, optionally diafiltered, is subjected to a pigment removal step, preferably using powdered activated carbon in an amount of about 0.025 to about 5% w/v, preferably about 0.05 to about 2% w/v, or using polyvinylpyrrolidone in an amount of about 0.5 to about 5% w/v, preferably about 2 to about 3% w/v.
- 23. (New) The method of claim 11 wherein the concentrated protein solution, optionally diafiltered, is subjected to a pasteurization step, preferably by heating the concentrated and optionally diafiltered protein solution at a temperature of about 55° to about 70°C, preferably about 60° to about 65°C, for about 10 to about 15 minutes, and wherein, following said pasteurization step, the pasteurized solution preferably is cooled to a temperature of about 25° to about 40°C.
- 24. (New) The method of claim 11 wherein said steps (i) and (vi) are effected in a batch mode of operation and said concentrated protein solution is diluted by about 15 fold or less, preferably 10 folds or less, by adding the concentrated protein solution into a body of chilled water having the volume required to achieve the desired degree of dilution and preferably having a temperature of less than about 10°C.
- 25. (New) The method of claim 11 wherein said steps (i) to (vi) are carried out in a continuous mode and said concentrated protein solution is continuously mixed with said chilled water to provide a dilution of the concentrated protein solution by about 15 fold or less, preferably about 10 fold or less, and preferably having a temperature of less than about 10°C.

- 26. (New) The method of claim 11 wherein the recovered protein micellar mass is dried to a proteinaceous powder.
- 27. (New) The method of claim 11 wherein, following recovering of the protein micellar mass therefrom, the supernatant is processed, on a batch, semi-continuous or continuous basis, to recover additional quantities of canola protein isolate therefrom, and wherein said additional quantities of protein isolate preferably is obtained by:
- (a) concentrating the supernatant to a protein concentration of about 100 to about 400 g/L, preferably about 200 to about 300 g/L, and drying the concentrated supernatant;
- (b) concentrating the supernatant to a protein concentration of about 100 to about 400 g/L, preferably about 200 to about 300 g/L, mixing the concentrated supernatant with the recovered protein micellar mass, and drying the mixture; or
- (c) concentrating the supernatant to a protein concentration of about 100 to about 400 g/L, preferably about 200 to about 300 g/L, mixing a portion of said concentrated supernatant with at least a portion of the recovered protein micellar mass, and drying the resulting mixture.
- 28. (New) The method of claim 27 wherein, in option (c), the remainder of the concentrated supernatant is dried and any remainder of the recovered protein micellar mass is dried.